

Solenoid valve

Model SVC2



Solenoid valve SVC2 can supply working medium to pipelines and cavities of a unit/system under commands of control system.

Status TRL – 3

Type: Normally closed, 2-way, direct action

Main technical characteristics

Sub model	SVC2-6	SVC2-8
Working medium	cryogenic gases and liquids	
Max working pressure, bar	20	6
Burst pressure, bar, no less	50	
Operation temperature range, °C	from minus 180 to plus 60	
Voltage*, Vdc	from 24 to 32	
Max power consumption (@ 20 °C), W	44	
Passage diameter, mm	6	8
Max response time, s	0.12	
Internal leakage, sm ³ /s GHe, no more:		
- at a temperature from minus 30 to plus 60 °C, sm ³ /s, no more	0.5	
- at a temperature of minus 180 °C, sm ³ /s, no more	15	
External leakage, m ³ ·Pa/s GHe	1.33·10 ⁻⁷	
Flow capacity Kv, m ³ /h, no less	0.92	1.48
Mass, kg, no more than	1.4	
Overall dimensions**, mm	see.fig.1	

* - for long-term activation (more than 180 s), it is recommended to reduce the voltage after activation by 1...3 s.

** - the overall dimensions and interfaces of the ports may vary depending on the customer's requirements.

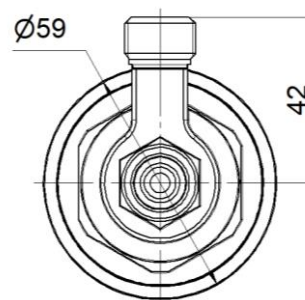
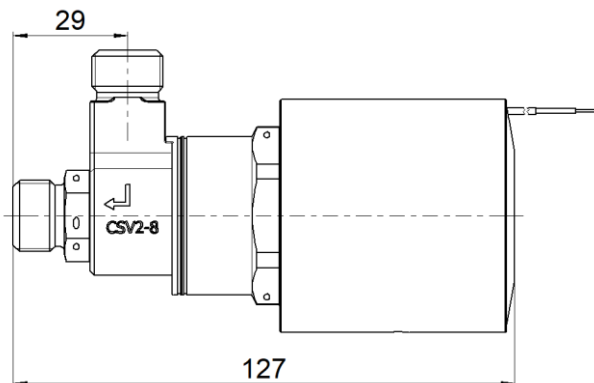


Figure 1 – Overall dimensions**